

AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows:

1. (Original) Gateway device (3; 4) for connecting a respective bus system (7; 8) with a common network layer (300) that is designed to build a superior network by connecting at least one further bus system (8; 7) via at least one further gateway device (4; 3) to said common network layer (300), said gateway device (3; 4) comprising a bus service interface (31; 41) to access all functionality and commands of a further bus system (8; 7) via said common network layer (300) from an intelligent gateway (1) within said superior network.
2. (Original) Gateway device according to claim 1, **characterized in that** said bus service interface (31; 41) is able to post bus events on said common network layer (300) in case a device (5; 6) within said respective bus system (7; 8) indicates the possibility to communicate via said common network layer (300).
3. (Currently Amended) Gateway device according to claim 1 or 2, **characterized in that** said bus service interface (31; 41) is usable by a device presenter (12, 13; 14) to communicate with the corresponding real device (5; 6) connected to said respective bus system (7; 8).
4. (Currently Amended) Gateway device according to ~~anyone of claims 1 to 3~~ claim 1, **characterized in that** said bus service interface (31; 41) is able to represent a virtual device (32; 42) to its respective bus system (7; 8) based on a corresponding device emulator (15; 16).
5. (Currently Amended) Gateway device according to ~~anyone of claims 1 to 4~~ claim 1, **characterized in that** said bus service interface (31; 41) communicates via said common network layer (300) according to the Universal Plug and Play protocol set.
6. (Currently Amended) Gateway device according to ~~anyone of claims 1 to 5~~ claim 1, **characterized by** an intelligent gateway ~~according to anyone of claims 7 to 12~~ for

communicating between gateway devices (3; 4), which respectively connect a respective bus system (7; 8), which comprises at least one physical device (5; 6), with a common network layer (300), comprising a static or dynamic possibility to provide at least one device presenter (12, 13; 14) and/or at least one device emulator (16; 15) of at least one physical device (5; 6) to said common network layer (300).

7. (Original) Intelligent gateway (1) for communicating between gateway devices (3; 4), which respectively connect a respective bus system (7; 8), which comprises at least one physical device (5; 6), with a common network layer (300), comprising a static or dynamic possibility to provide at least one device presenter (12, 13; 14) and/or at least one device emulator (16; 15) of at least one physical device (5; 6) to said common network layer (300).

8. (Original) Intelligent gateway according to claim 7, **characterized by** a device manager (11) that monitors bus events for new devices, which are posted on said common network layer (300), and finds, loads and assigns corresponding device presenters and/or emulators.

9. (Original) Intelligent gateway according to claim 8, **characterized in that** said device manager (11) loads device presenters and/or emulators from external sources.

10. (Currently Amended) Intelligent gateway according to ~~anyone of claims 7 to 9~~ claim 7, **characterized in that** a device presenter presents a real device on a bus system as a generic abstract device or service.

11. (Currently Amended) Intelligent gateway according to ~~anyone of claims 7 to 10~~ claim 7, **characterized in that** a device emulator emulates a device on a bus system based on a generic abstract device or service presentation.

12. (Currently Amended) Intelligent gateway according to claim 10 or 11, characterized in that said generic abstract device or service presentation is a presentation according to the Universal Plug and Play protocol set.

13. (Currently Amended) Superior network that integrates at least two bus systems, each of which comprises a respective gateway device according to ~~one of claims 1 to 6~~ claim 1, comprising

at least one intelligent gateway ~~according to anyone of claims 7 to 12 for communicating between gateway devices (3; 4), which respectively connect a respective bus system (7; 8), which comprises at least one physical device (5; 6), with a common network layer (300), comprising a static or dynamic possibility to provide at least one device presenter (12, 13; 14) and/or at least one device emulator (16; 15) of at least one physical device (5; 6) to said common network layer (300), and~~

a said common network layer (300) being connected to which the respective gateways and said at least one intelligent gateway ~~are connected~~.